

University of Groningen

Interaction between ribosomes and SecYEG/YidC in bacteria

Wu, Andy

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version

Publisher's PDF, also known as Version of record

Publication date:

2014

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Wu, A. (2014). *Interaction between ribosomes and SecYEG/YidC in bacteria*. [Thesis fully internal (DIV), University of Groningen]. s.n.

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

Stellingen

Behorende bij het proefschrift

Interaction of ribosomes with SecYEG/YidC in bacteria

van Zht Cheng Wu

- 1) Surface Plasmon Resonance is a powerful tool to study the interaction between integral membrane proteins with soluble binding ligands (chapter 2).
- 2) SecA and ribosomes compete for the binding to the SecYEG translocon and cannot bind simultaneously (chapter 3).
- 3) The positively charged amino acid residues in cytoloc loops (R357 and R255;R256) of SecY are important for the interaction with ribosomes and ribosome nascent chains (Menetret 2007, Chapter 3).
- 4) The elongated C-terminal tail of YidC is responsible for the ribosome interaction (chapter 4, chapter 5).
- 5) Both YidC1 and YidC2 from *Streptococcus mutans* interact with *E. coli* ribosomes and do not fundamentally differ in their ability to mediate co-translational membrane protein integration (chapter 5).
- 6) “I have no special talent. I am only passionately curious” Albert Einstein.
- 7) “Sometimes life hits you in the head with a brick. Don’t lose faith” (Steve Jobs).
- 8) The playstation gaming console is a wonderful invention that heals frustrations from the laboratory.
- 9) Translating an English summary from English to Chinese is hell of a work.